

## Repairer Preventive Maintenance Checks and Services

### 6525-01-384-9296 X-Ray Apparatus, Model LCROKS

[M-Monthly, Q-Quarterly, S-Semiannually, and A-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	M	<b>X-Ray Apparatus</b> a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.  b. Inspect unit for damage, discoloration, or excessively worn components	Missing components prevent the use of the x-ray.  Unserviceable components prevent the use of x-ray.
2		<b>X-Ray Operational Test</b> <b>NOTE: Install the unit as direct by manufacturer's literature. Prepare x-ray tube for radiographic use in accordance with the manufacturer's break-in instructions.</b>  <b>NOTE: An unseasoned tube will not calibrate and may develop hot spots.</b>	The unit cannot be installed.
	A	a. Calibrate the unit as directed by the manufacturer's literature.	Unit cannot be calibrated.
	S	b. Perform the maintenance schedule checks as directed by the manufacturer's literature  (1) Perform external visual checks as directed by the manufacturer's literature.  (a) Check control panel stand, if so equipped for nicks, scratches, or dents.  (b) Check for proper seating of APR labels.  (c) Inspect unit for all warning labels, serial tags, UL and CSA tags.  (2) Perform mechanical checks as directed by the manufacturer's literature.  (a) Check mechanical operation of control panel on/off and prep/expose switches.  (b) Remove H.T. cables from transformer ports and check for proper level of oil. Check that H.T. cables are securely tightened.  (c) Check connections on all cables on top of H.T. transformer.  (d) Check connections on all cables in electronics cabinet.	The labels are missing, unreadable, or out dated.  X-ray does not operate or an electrical hazard exists.  Oil level is low or H.T. cables are not securely tightened.  The cables are not secure.  The cables are not secure.

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		<p>(e) Check connections on all cables in operator control panel.</p> <p>(3) Perform operational checks as directed by the manufacturer's literature.</p> <p>(a) Check for power-up sequence.</p> <p>(b) Check for operation of control panel switches; run fault diagnostics.</p> <p>(c) Check for operation of control panel LEDs; run fault diagnostics.</p> <p>(d) Check for operation of control panel display; run fault diagnostics.</p> <p>(e) Check for operation of control panel to generator communications; run fault diagnostics.</p> <p>(f) Check +5V power supply.</p> <p>(g) Check +15V power supply.</p> <p>(h) Check +24V power supply.</p> <p>(i) Depress "PREP" switch and check that control panel display reads "READY."</p> <p>(j) Depress "EXPOSURE" switch; listen for audible indicator to sound and check control panel for exposure indicator light.</p> <p>(k) Check that "BUT" logic works – "BUT" LED should light.</p> <p>(l) Check for actual mAs indication in display.</p> <p>(m) Check that another AEC exposure cannot be made.</p> <p>(n) Check that the reset button resets the "BUT" and another exposure can be made.</p> <p>(o) Check kV, mA, and time accuracy.</p> <p>(p) Check PT station(s) for density.</p>	<p>The cables are not secure.</p> <p>X-ray does not operate or an electrical hazard exists.</p>

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	A	<p>(4) Regrease high tension cables as directed by manufacturer's literature</p> <p>(5) Replace NVRAM every 72 months as directed by the manufacturer's literature.</p> <p>(6) Perform "Final Appearance Checks" as directed by the manufacturer's literature.</p> <p>(a) Clean all exposed exterior surfaces of the Clinix VP4 Generator.</p> <p>(b) Check that all mounting hardware is secure and all covers are in place.</p> <p>c. Update Medical Equipment Verification/Certification label (DD Form 2361)</p>	<p>The mounting hardware is not secured.</p> <p>The unit has not been verified within the last 12 months.</p>